

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden	
hours per response:	0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

1. Name and Address of Reporting Person* <u>THIMJON DONALD H</u>  (Last) (First) (Middle) 225 WEST STATION SQUARE DRIVE, SUITE 700  (Street) PITTSBURGH PA 15219  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>WESCO INTERNATIONAL INC [ WCC ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <b>VICE PRESIDENT, OPERATIONS</b>
	3. Date of Earliest Transaction (Month/Day/Year) 08/03/2004	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
WESCO International Common Stock								102,692	D	
WESCO International Common Stock	08/03/2004		S		1,000	D	\$20.6	101,692	D	
WESCO International Common Stock	08/03/2004		S		1,000	D	\$20.21	100,692	D	
WESCO International Common Stock	08/03/2004		S		1,000	D	\$20.34	99,692	D	
WESCO International Common Stock	08/03/2004		S		1,000	D	\$20.43	98,692	D	
WESCO International Common Stock	08/03/2004		S		1,000	D	\$20.37	97,692	D	
WESCO International Common Stock	08/03/2004		S		2,000	D	\$20.2	95,692	D	
WESCO International Common Stock	08/03/2004		S		1,000	D	\$20.29	94,692	D	
WESCO International Common Stock	08/03/2004		S		1,000	D	\$20.22	93,692	D	
WESCO International Common Stock	08/03/2004		S		500	D	\$20.32	93,192	D	
WESCO International Common Stock	08/03/2004		S		500	D	\$20.48	92,692	D	

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Option for WESCO International Common Stock	\$1.73	01/06/2004		D			148,546	(1)	07/27/2004	WESCO International Common Stock	148,546	\$6.904 <sup>(2)</sup>	0	D	
Option for WESCO International Common Stock	\$1.73	01/06/2004		D			16,762	(1)	03/17/2005	WESCO International Common Stock	16,762	\$6.904 <sup>(2)</sup>	0	D	
Option for WESCO International Common Stock	\$10.75							(3)	08/06/2008	WESCO International Common Stock	127,160		127,160	D	
Option for WESCO International Common Stock	\$9.875							(4)	05/11/2010	WESCO International Common Stock	35,000		162,160	D	
Option for WESCO International Common Stock	\$4.5							(4)	12/21/2011	WESCO International Common Stock	35,000		197,160	D	
Option for WESCO International Common Stock	\$5.9	08/22/2003		A			38,000	(5)	08/22/2013	WESCO International Common Stock	38,000	\$5.9	235,160 <sup>(6)</sup>	D	

Explanation of Responses:

1. Options are fully vested and exercisable
2. The price of the options disposed is equal to the average closing price of the Company's Common Stock on the New York Stock Exchange over a five-day trading period, less the option exercise price.
3. Half of the options granted vested over a four-year time period beginning with the grant date, with the remaining half being subject to accelerated vesting based on performance. Any options not yet vested become vested effective 1/1/2008.
4. Options are subject to performance vesting, with any unvested options becoming vested 90 days prior to the expiration date of such options.
5. Options vest at a rate of 1/3 per year on the anniversary date of the option grant over the next three years.
6. Cumulative Number of Derivative Securities Beneficially Owned column totals corrected (Table II, Item 9).

**Remarks:**

/s/ Donald H. Thimjon

08/04/2004

\*\* Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

\* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.**